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?show files;ds
File 654:US PAT.FULL. 1990-2002/MAR 19
         (c) FORMAT ONLY 2002 THE DIALOG CORP.

Set     Items   Description
S1          5   AU=(STOBBS G? OR BIERNACKI J? OR STOBBS, G? OR BIERNACKI, -
                J?) AND PATENT?(S)CLAIM? ?
?t1/3,k/all

 1/3,K/1
DIALOG(R)File 654:US PAT.FULL.
(c) FORMAT ONLY 2002 THE DIALOG CORP. All rts. reserv.

             03382360
Utility
BILEAFLET HEART VALVE HAVING OPEN CHANNEL AND SWIVEL PIVOTS

PATENT NO.:  6,296,663
ISSUED:      October 02, 2001 (20011002)
INVENTOR(s): Patke, Nandkishor G., Shoreview, MN (Minnesota), US (United
             States of America)
             Mikhail, Adel A., Bloomington, MN (Minnesota), US (United
             States of America)
              Stobbs , Gene E., Brooklyn Park, MN (Minnesota), US (United
             States of America
ASSIGNEE(s): Medical CV, Inc , (A U.S. Company or Corporation), Inver Grove
             Heights, MN (Minnesota), US (United States of America)
APPL. NO.:   9-286,161
FILED:       April 05, 1999 (19990405)
CO-PENDING APPLICATIONS

  The present application is a continuation-in-part application of
co-pending U.S. patent application Ser. No. 09-165,442 filed Oct. 2,
1998, which claims priority to U.S. Provisional Application No.
60-060,922, filed Oct. 3, 1997, and is a continuation-in-part of U.S.
patent application Ser. No. 09-143,669, filed Aug. 31, 1998, now
abandoned, which is a continuation of U.S. patent application Ser. No.
08-626,170, filed Mar. 29, 1996, now issued as U.S. Pat. No. 5,824,062,
issued Oct. 20, 1998, which is a continuation-in-part of both U.S. patent
application Ser. No. 08-412,696 filed Mar. 29, 1995, now abandoned, and
U.S. patent application Ser. No. 08-546,210 filed Oct. 20, 1995, now
abandoned, each of which is entitled BILEAFLET HEART VALVE.

FULL TEXT:        1772 lines

...INVENTOR(s): US (United States of America)
                Stobbs , Gene E...
...APPLICATIONS

  The present application is a continuation-in-part application of
co-pending U.S. patent application Ser. No. 09-165,442 filed Oct. 2,
1998, which claims priority to U.S. Provisional Application No.
60-060,922, filed Oct. 3, 1997, and is a continuation-in-part of U.S.
patent application Ser. No. 09-143,669, filed Aug. 31, 1998, now
abandoned, which is a continuation of U.S. patent application Ser. No.
08-626,170, filed Mar. 29, 1996, now issued as U.S...

...062, issued Oct. 20, 1998, which is a continuation-in-part of both U.S.
patent application Ser. No. 08-412,696 filed Mar. 29, 1995, now
abandoned, and U.S. patent application Ser. No. 08-546,210 filed Oct. 20,
1995, now abandoned, each of which...

... along the linear flow path through the bore of the annular base. The
```

Hanson '658 **patent** also describes the use of a pyrolytic carbon coating over a metallic or synthetic substrate...across the valve.

In a bileaflet valve structure such as disclosed in the Hanson '658 **patent** , the leaflets may each pivot fully between the open and closed portions on the order... the annular base accounting for a substantial reduction in antegrade circulation.

Although the Hanson '658 **patent** discloses the pivot ears preventing blood stagnation in the area of engagement with the recesses...foster the development of a thrombogenic mass. It is suggested that while the Hanson '658 **patent** shows a relatively shallow semi-circular recess, in practice it has not been possible to...from analyzing bileaflet heart valves, such as disclosed by the Hanson '658 and Possis '268 **patents** , that the leaflets divide the bore into three passages having ...with various other advantages and features of novelty are pointed out with particularity in the **claims** of the present invention annexed hereto and forming a part thereof. However, for a better...

**1/3,K/2**
DIALOG(R)File 654:US PAT.FULL.


03315375

Utility
HIGH THERMAL RESISTIVITY CRYSTAL RESONATOR SUPPORT STRUCTURE AND OSCILLATOR PACKAGE

PATENT NO.: 6,236,145
ISSUED: May 22, 2001 (20010522)
INVENTOR(s): **Biernacki** , John, Glendale Heights, IL (Illinois), US (United States of America)
ASSIGNEE(s): CTS Corporation, (A U.S. Company or Corporation), Elkhart, IN (Indiana), US (United States of America)
[Assignee Code(s): 21568]
APPL. NO.: 9-515,344
FILED: February 29, 2000 (20000229)
FULL TEXT: 467 lines

INVENTOR(s): **Biernacki** , John...

...of cryoprocessing to insure a given aging characteristic.

DESCRIPTION OF THE RELATED ART

Examples of **patents** and publications related to the present invention are as follows, wherein each **patent** or publication is herein incorporated by reference in its entirety for related and supporting teachings...

...a laser induced dry etching of vias in glass with non-contact masking

The foregoing **patents** reflect the state of the art of which the applicant is aware and are tendered...

... in the examination of this application. It is respectfully stipulated, however, that none of these **patents** teach or render obvious, singly or when considered in combination, applicants' claimed invention.

SUMMARY OF... is neither intended to define the invention of the application, which is measured by the **claims** , neither is it intended to be limiting as to the scope

1/3,K/3
DIALOG(R)File 654:US PAT.FULL.


03257337

Utility
BILEAFLET HEART VALVE HAVING OPEN CHANNEL AND SWIVEL PIVOTS

PATENT NO.: 6,183,511
ISSUED: February 06, 2001 (20010206)
INVENTOR(s): Patke, Nandkishor G., Shoreview, MN (Minnesota), US (United States of America)
Mikhail, Adel A., Bloomington, MN (Minnesota), US (United States of America)
**Stobbs** , Gene E., Brooklyn Park, MN (Minnesota), US (United States of America
ASSIGNEE(s): CV Dynamics, Inc , (A U.S. Company or Corporation), Inver Grove Heights, MN (Minnesota), US (United States of America)
APPL. NO.: 9-165,442
FILED: October 02, 1998 (19981002)
CO-PENDING APPLICATIONS

The present application **claims** priority to U.S. Provisional application Ser. No. 60-060,922, filed Oct. 3, 1997, and relates to U.S. **patent** application Ser. No. 09-143669, filed Aug. 31, 1998, now abandoned which is a continuation of U.S. **patent** application Ser. No. 08-626,170, filed Mar. 29, 1996, now U.S. Pat. No. 5,824,062, which is a continuation-in-part of both U.S. **patent** application Ser. No. 08-412,696 filed Mar. 29, 1995, now abandoned, and U.S. **patent** application Ser. No. 08-546,210 filed Oct. 20, 1995, now abandoned, each of which is entitled BILEAFLET HEART VALVE.

FULL TEXT: 1273 lines

...INVENTOR(s): US (United States of America)
**Stobbs** , Gene E...
CO-PENDING APPLICATIONS

The present application **claims** priority to U.S. Provisional application Ser. No. 60-060,922, filed Oct. 3, 1997, and relates to U.S. **patent** application Ser. No. 09-143669, filed Aug. 31, 1998, now abandoned which is a continuation of U.S. **patent** application Ser. No. 08-626,170, filed Mar. 29, 1996, now U.S. Pat. No. 5,824,062, which is a continuation-in-part of both U.S. **patent** application Ser. No. 08-412,696 filed Mar. 29, 1995, now abandoned, and U.S. **patent** application Ser. No. 08-546,210 filed Oct. 20, 1995, now abandoned, each of which...

... along the linear flow path through the bore of the annular base. The Hanson '658 **patent** also describes the use of a pyrolytic carbon coating over a metallic or synthetic substrate...across the valve.

In a bileaflet valve structure such as disclosed in the Hanson '658 **patent** , the leaflets may each pivot filly between the open and closed portions on the order... the annular base accounting for a substantial reduction in antegrade circulation.

Although the Hanson '658 **patent** discloses the pivot ears preventing blood stagnation in the area of engagement with the recesses...foster the development of a thrombogenic mass. It is suggested that while the Hanson '658 **patent** shows a relatively shallow semi-circular recess, in practice it has not been possible to...from analyzing bileaflet heart valves, such as disclosed by the Hanson '658 and Possis '268 **patents** , that the leaflets divide the bore into three passages having unequal cross-sectional

areas, and... with various other advantages and features of novelty are pointed out with particularity in the **claims** of the present invention annexed hereto and forming a part thereof. However, for a better...

**1/3,K/4**
DIALOG(R)File 654:US PAT.FULL.


03109978
Utility
URINARY CATHETER HAVING PALPITATABLE DISCHARGE VALVE WITH PROTECTIVE SHOULDERS

PATENT NO.: 6,050,934
ISSUED: April 18, 2000 (20000418)
INVENTOR(s): Mikhail, Adel A., Bloomington, MN (Minnesota), US (United States of America)
**Stobbs** , Gene E., Brooklyn Park, MN (Minnesota), US (United States of America)
Hashw, Adel M., Eden Prairie, MN (Minnesota), US (United States of America)
Johnson, Shelley N., Minnetonka, MN (Minnesota), US (United States of America
ASSIGNEE(s): CV Dynamics, Inc , (A U.S. Company or Corporation), Inver Grove Heights, MN (Minnesota), US (United States of America)
APPL. NO.: 9-30,132
FILED: February 25, 1998 (19980225)
CROSS-REFERENCE TO RELATED APPLICATIONS
The present application **claims** the benefit of prior filed, co-pending provisional application Serial No. 60-036,294 filed Feb. 26, 1997.

This application is also related to U.S. **patent** application Ser. No. 08-392,529 filed Feb. 23, 1995, and now abandoned; and U.S. **patent** application Ser. Nos. 08-546,572 filed Oct. 20, 1995, now issued as U.S. Pat. No. 5,624,395, and U.S. Ser. No. 08-605,435 filed Feb. 22, 1996 now issued as U.S. Pat. No. 5,707,357. Each of the aforementioned applications is hereby incorporated herein by reference.

FULL TEXT: 1018 lines

...INVENTOR(s): US (United States of America)
**Stobbs** , Gene E...
CROSS-REFERENCE TO RELATED APPLICATIONS

The present application **claims** the benefit of prior filed, co-pending provisional application Serial No. 60-036,294 filed Feb. 26, 1997.

This application is also related to U.S. **patent** application Ser. No. 08-392,529 filed Feb. 23, 1995, and now abandoned; and U.S. **patent** application Ser. Nos. 08-546,572 filed Oct. 20, 1995, now issued as U.S...

**1/3,K/5**
DIALOG(R)File 654:US PAT.FULL.


02860192
Utility
BILEAFLET HEART VALVE HAVING DYNAMIC PIVOT MECHANISM

PATENT NO.: 5,824,062
ISSUED: October 20, 1998 (19981020)

INVENTOR(s): Patke, Nandkishor G., Shoreview, MN (Minnesota), US (United States of America)
Mikhail, Adel A., Bloomington, MN (Minnesota), US (United States of America)
**Stobbs** , Gene E., Brooklyn Park, MN (Minnesota), US (United States of America)
Johnson, Shelley N., Minnetonka, MN (Minnesota), US (United States of America
ASSIGNEE(s): CV Dynamics, Inc , (A U.S. Company or Corporation), Inver Grove Heights, MN (Minnesota), US (United States of America)
APPL. NO.: 8-626,170
FILED: March 29, 1996 (19960329)

This is a continuation-in-part of both U.S. patent application Ser. No. 08-412,696 filed Mar. 29, 1995, and now abandoned, U.S. patent application Ser. No. 08-546,210 filed Oct. 20, 1995, now abandoned, both of which have the same title as set forth above, and for which the benefit of priority is hereby claimed pursuant to 35 USC selection 120.

FULL TEXT: 1880 lines

...INVENTOR(s): US (United States of America)
**Stobbs** , Gene E...

... along the linear flow path through the bore of the annular base. The Hanson '658 **patent** also describes the use of a pyrolytic carbon coating over a metallic or synthetic substrate...

...across the valve.

In a bileaflet valve structure such as disclosed in the Hanson '658 **patent** , the leaflets may each pivot fully between the open and closed portions on the order... the annular base accounting for a substantial reduction in antegrade circulation.

Although the Hanson '658 **patent** discloses the pivot ears preventing blood stagnation in the area of engagement with the recesses...foster the development of a thrombogenic mass. It is suggested that while the Hanson '658 **patent** shows a relatively shallow semi-circular recess, in practice it has not been possible to...even greater. Representative examples include the Hwang '367, Bokros '920, Olin '459, and Alonso '030 **patents** . If the pivotal axis of the leaflets are moved upwardly, incursions both above and below the annular base are encountered, as shown in the Bokros '165 **patent** .

Alternately, the overall height of the annular base can be increased rather than raising the...from analyzing bileaflet heart valves, such as disclosed by the Hanson '658 and Possis '268 **patents** that the leaflets divide the bore into three passages having unequal cross-sectional areas, and...with various other advantages and features of novelty are pointed out with particularity in the **claims** of the present invention annexed hereto and forming a part thereof. However, for a better...
... ear 84' disposed between two flat surfaces 88' such as disclosed in the Hanson '658 **patent** is shown in FIG. 10.

FIG. 11 shows a leaflet 14 in which the peripheral...bileaflet heart valve 10, 110 without departing from the spirit and scope of the appended **claims** . It is to be understood that even though numerous characteristics and advantages of various embodiments...

...full extent indicated by the broad general meaning of the terms in which the appended **claims** are expressed.
?

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?show files;ds
File   8:Ei Compendex(R) 1970-2002/Mar W3
         (c) 2002 Engineering Info. Inc.
File  10:AGRICOLA 70-2002/Mar
         (c) format only 2002 The Dialog Corporation
File  34:SciSearch(R) Cited Ref Sci 1990-2002/Mar W4
         (c) 2002 Inst for Sci Info
File  50:CAB Abstracts 1972-2002/Feb
         (c) 2002 CAB International
File  95:TEME-Technology & Management 1989-2002Jan W3
         (c) 2002 FIZ TECHNIK
File 144:Pascal 1973-2002/Mar W3
         (c) 2002 INIST/CNRS
File 240:PAPERCHEM 1967-2002/Feb W4
         (c) 2002 IPST
File 440:Current Contents Search(R) 1990-2002/Mar W4
         (c) 2002 Inst for Sci Info

Set     Items   Description
S1          8   AU=(STOBBS G? OR BIERNACKI J? OR STOBBS, G? OR BIERNACKI, -
             J?) AND NEURAL()NETWORK?
?t1/3,k/all

 1/3,K/1     (Item 1 from file: 8)
DIALOG(R)File   8:Ei Compendex(R)
(c) 2002 Engineering Info. Inc. All rts. reserv.

05868730   E.I. No: EIP01326604574
   Title: Classification study for using acoustic-ultrasonics to detect
internal decay in glulam beams
  Author: Tiitta, M.E.; Beall, F.C.; Biernacki, J.M.
  Corporate Source: University of California Forest Products Laboratory,
Richmond, CA 94804-4698, United States
  Source: Wood Science and Technology v 35 n 1-2 April 2001. p 85-96
  Publication Year: 2001
  CODEN: WOSTBE   ISSN: 0043-7719
  Language: English

  Author: Tiitta, M.E.; Beall, F.C.; Biernacki, J.M.
  Abstract: Bayes, k-nearest neighbor (KNN), and neural network
classifiers were used to study the decay detection efficiency of
acousto-ultrasonics (AU). Brown-rotted...

...using multiple signal feature sets in classification analysis. A 79%
efficiency was achieved with the neural network classifier for
detecting small levels of decay (10% of the cross section) and a 68...
  Descriptors: Decay (organic); Wood; Ultrasonic applications; Neural
networks ; Nondestructive examination


 1/3,K/2     (Item 1 from file: 10)
DIALOG(R)File  10:AGRICOLA
(c) format only 2002 The Dialog Corporation. All rts. reserv.

3958510  23242755  Holding Library: AGL
  Classification study for using acoustic-ultrasonics to detect internal
decay in glulam beams
  Tiitta, M.E. Beall, F.C.; Biernacki, J.M.
  Berlin : Springer-Verlag.
  Wood science and technology. Apr 2001. v. 35 (1/2) p. 85-96.
  ISSN: 0043-7719   CODEN: WOSTBE
  DNAL CALL NO: SD433.A1W6
  Language: English
```

Beall, F.C.; **Biernacki, J.M.**
Bayes, k-nearest neighbor (KNN), and **neural network** classifiers were used to study the decay detection efficiency of acousto-ultrasonics (AU). Brown-rotted...

... using multiple signal feature sets in classification analysis. A 79% efficiency was achieved with the **neural network** classifier for detecting small levels of decay (10% of the cross section) and a 68...

**1/3,K/3 (Item 1 from file: 34)**
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci


09732188 Genuine Article#: 434ZD No. References: 20
**Title: Classification study for using acoustic-ultrasonics to detect internal decay in glulam beams**
Author(s): Tiitta ME; Beall FC (REPRINT) ; **Biernacki JM**
Corporate Source: Univ Calif Berkeley,Forest Prod Lab,1301 S 46th St/Richmond//CA/94804 (REPRINT); Univ Calif Berkeley,Forest Prod Lab,Richmond//CA/94804; Univ British Columbia,Dept Wood Sci,Vancouver/BC V5Z 1M9/Canada/
Journal: WOOD SCIENCE AND TECHNOLOGY, 2001, V35, N1-2 (APR), P85-96
ISSN: 0043-7719 Publication date: 20010400
Publisher: SPRINGER-VERLAG, 175 FIFTH AVE, NEW YORK, NY 10010 USA
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Author(s): Tiitta ME; Beall FC (REPRINT) ; **Biernacki JM**
Abstract: Bayes, k-nearest neighbor (KNN), and **neural network** classifiers were used to study the decay detection efficiency of acousto-ultrasonics (AU). Brown-rotted...

...using multiple signal feature sets in classification analysis. A 79% efficiency was achieved with the **neural network** classifier for detecting small levels of decay (10% of the cross section) and a 68...

**1/3,K/4 (Item 1 from file: 50)**
DIALOG(R)File 50:CAB Abstracts


04106665 CAB Accession Number: 20013093234
**Classification study for using acoustic-ultrasonics to detect internal decay in glulam beams.**
Tiitta, M. E.; Beall, F. C.; Biernacki, J. M.
Forest Products Laboratory, University of California, 1301 South 46th Street, Richmond, CA 94804-4698, USA.
Wood Science and Technology vol. 35 (1/2): p.85-96
Publication Year: 2001
ISSN: 0043-7719 --
Language: English
Document Type: Journal article

--
Bayes, k-nearest neighbour (KNN), and **neural network** classifiers were used to study the decay detection efficiency of acousto-ultrasonics (AU). Brown-rotted...

... using multiple signal feature sets in classification analysis. A 79% efficiency was achieved with the **neural network** classifier for detecting small levels of decay (10% of the cross section) and a 68...

...DESCRIPTORS: **neural networks** ;
Tiitta, M. E.; Beall, F. C.; **Biernacki, J. M.**

**1/3,K/5 (Item 1 from file: 95)**
DIALOG(R)File 95:TEME-Technology & Management


01568938 20011108320
**Classification study for using acoustic-ultrasonics to detect internal decay in glulam beams**
Tiitta, ME; Beall, FC; **Biernacki, JM**
Forest Products Lab., Univ. of California, Richmond, USA; Dept. of Wood Sci., Univ. of British Columbia, Vancouver, CDN
Wood Sci. a. Technol., v35, n1/2, pp85-96, 2001
Document type: journal article Language: English
Record type: Abstract
ISSN: 0043-7719

Tiitta, ME; Beall, FC; **Biernacki, JM**

ABSTRACT:
Bayes, k-nearest neighbor (KNN), and **neural network** classifiers were used to study the decay detection efficiency of acousto-ultrasonics (AU). Brown-rotted...

...using multiple signal feature sets in classification analysis. A 79% efficiency was achieved with the **neural network** classifier for detecting small levels of decay (10% of the cross section) and a 68...
DESCRIPTORS: WOOD; BAYES METHOD; ULTRASONIC WAVES; ACOUSTIC MEASURING METHOD; ARTIFICIAL **NEURAL NETWORKS** ; EFFICIENCY FACTOR; POWER; BEAM

**1/3,K/6 (Item 1 from file: 144)**
DIALOG(R)File 144:Pascal


15116190 PASCAL No.: 01-0277015
**Classification study for using acoustic-ultrasonics to detect internal decay in glulam beams**
TIITTA M E; BEALL F C; **BIERNACKI J M**
University of California, Forest Products Laboratory, 1301 South 46th Street, Richmond, CA 94804-4698, United States; University of British Columbia, Dept. of Wood Science, Canada
Journal: Wood science and technology, 2001, 35 (1-2) 85-96
Language: English



TIITTA M E; BEALL F C; **BIERNACKI J M**
Bayes, k-nearest neighbor (KNN), and **neural network** classifiers were used to study the decay detection efficiency of acousto-ultrasonics (AU). Brown-rotted...

... using multiple signal feature sets in classification analysis. A 79% efficiency was achieved with the **neural network** classifier for detecting small levels of decay (10% of the cross section) and a 68...

**1/3,K/7 (Item 1 from file: 240)**
DIALOG(R)File 240:PAPERCHEM

00721370 PAPERCHEM NO: UNPUBLISHED
**Classification study for using acoustic-ultrasonics to detect internal decay in glulam beams**
Tiitta, M.E.; Beall, F.C.; **Biernacki, J.M.**
AUTHOR AFFILIATION: Tiitta, M.E. (University of California Forest Products Laboratory: Richmond, CA 94804-4698: United States)
SOURCE: Wood Sci Technol 35, no. 1-2: 85-96 (April 2001.) (English)
20 ref.

Tiitta, M.E.; Beall, F.C.; **Biernacki, J.M.**
Bayes, k-nearest neighbor (KNN), and **neural network** classifiers were used to study the decay detection efficiency of acousto-ultrasonics (AU). Brown-rotted...

... using multiple signal feature sets in classification analysis. A 79% efficiency was achieved with the **neural network** classifier for detecting small levels of decay (10% of the cross section) and a 68...

**1/3,K/8 (Item 1 from file: 440)**
DIALOG(R)File 440:Current Contents Search(R)


12791944 GENUINE ARTICLE#: 434ZD NO. REFERENCES: 20
**TITLE: Classification study for using acoustic-ultrasonics to detect internal decay in glulam beams**
AUTHOR(S): Tiitta ME; Beall FC (REPRINT); **Biernacki JM**
CORPORATE SOURCE: Univ Calif Berkeley, Forest Prod Lab, 1301 S 46th St/Richmond//CA/94804 (REPRINT); Univ Calif Berkeley, Forest Prod Lab, /Richmond//CA/94804; Univ British Columbia, Dept Wood Sci, /Vancouver/BC V5Z 1M9/Canada/
PUBLICATION TYPE: JOURNAL
PUBLICATION: WOOD SCIENCE AND TECHNOLOGY, 2001, V35, N1-2 (APR), P85-96
PUBLISHER: SPRINGER-VERLAG, 175 FIFTH AVE, NEW YORK, NY 10010 USA
ISSN: 0043-7719
LANGUAGE: English DOCUMENT TYPE: ARTICLE (ABSTRACT AVAILABLE)

AUTHOR(S): Tiitta ME; Beall FC (REPRINT); **Biernacki JM**
ABSTRACT: Bayes, k-nearest neighbor (KNN), and **neural network** classifiers were used to study the decay detection efficiency of acousto-ultrasonics (AU). Brown-rotted...

...using multiple signal feature sets in classification analysis. A 79% efficiency was achieved with the **neural network** classifier for detecting small levels of decay (10% of the cross section) and a 68...
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PLEASE ENTER A COMMAND OR BE LOGGED OFF IN 5 MINUTES
?